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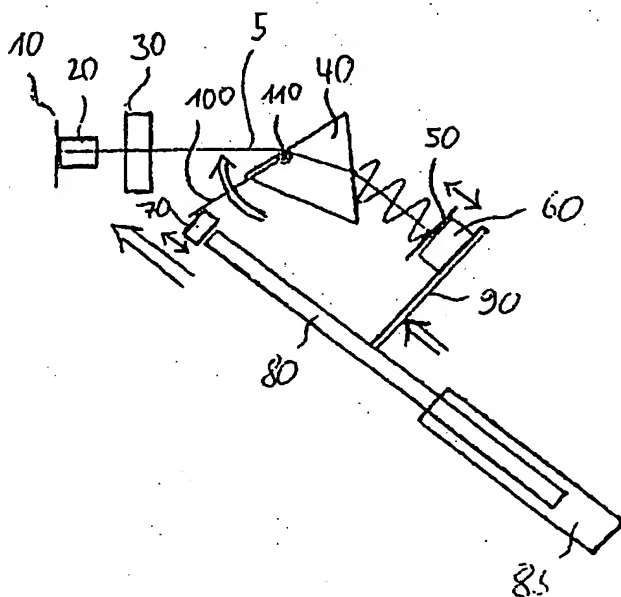
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(54) Title: WAVELENGTH TUNABLE RESONATOR WITH A PRISM



(57) Abstract: A wavelength tunable resonator comprises a first reflector(10) for reflecting an incident beam(5) of electromagnetic radiation towards a second reflector, said second reflector(50), said second reflector(50) for reflecting said beam(5) back towards said first reflector(10), said first and second reflector defining a resonator having an optical path with a length, a gain medium(20) for generating and emitting said beam(5) towards said first and second reflector(10 50), said laser source being arranged within said resonator, a prism (40), which is arranged within said optical path, serving to filter a wavelength of said beam (5) of electromagnetic radiation and being designed to redirect a portion of said incident beam comprising said filtered wavelength towards said second reflector(50), wherein said second reflector is arranged to be movable with respect to other optical elements within said resonator for increasing or decreasing said length of said optical path of said resonator, and wherein said prism (40) is arranged to be rotatable about an axis (110) with respect to said other optical elements within said resonator for adapting said filtered wavelength to said increase or decrease of said optical path length.

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